



>>Entry Name: 2,5-Dimethylhexane, 9CI

CAS Registry Number: 592-13-2

$(\text{H}_3\text{C})_2\text{CHCH}_2\text{CH}_2\text{CH}(\text{CH}_3)_2$

Molecular Formula: C_8H_{18}

Molecular Weight: 114.23

Accurate Mass: 114.14085

Percentage Composition: C 84.12%; H 15.88%

Melting Point: Fp -91°

Boiling Point: Bp $108-110^\circ$

Density: d_{15}^{15} 0.699

Refractive Index: n_D^{25} 1.3935

Aldrich: 11058-2

Fluka: 40510

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 15A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 11B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 14D, (*ir*)

Lewis, H.F. *et al.*, *CA*, 1927, **21**, 889, (*synth*)

Pope, J.C. *et al.*, *J.A.C.S.*, 1929, **51**, 2204, (*synth*)

Bazhulin, P.A. *et al.*, *CA*, 1955, **49**, 10867, (*synth*)

Pines, H. *et al.*, *J.O.C.*, 1965, **30**, 3540, (*synth*)

Parnes, Z.N. *et al.*, *CA*, 1972, **77**, 87932, (*synth*)

Beierbeck, H. *et al.*, *Can. J. Chem.*, 1977, **55**, 771, (*conformn, cmr*)